# Suggested Curriculum Guide for Management Information Systems

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| **Freshman (1st Semester) 16 hrs**  SCO 100 (1)\* Student Success Seminar  **INF 104** Computer Lit w/ Software App (or TEC 161)  E-1A\* ENG 101  E-2 MAT 112A/B or higher-level math  Element 3A or 3B  Element 6 Diversity | **Freshman (2nd Semester) 16 hrs**  **MIS 215** Introduction to Business Programming  E-1B\* ENG 102  E-1C CMS 100 or 210  **STA 270 (4) Applied Statistics**  Elective |
| **Sophomore (1st Semester) 16 hrs**  **CSC 160** Introduction to Web Programming  **ACC 200 Survey of Accounting**  **ECO 230 Fundamentals of Microeconomics (E-5B)**  Element 4  **Minor Course** | **Sophomore (2nd Semester) 15 hrs**  **MIS 375** Networks and Telecommunications  **ECO 231 Fundamentals of Macroeconomics**  **MGT 301 Principles of Management**  Element 5A  **Minor Course** |
| **Junior (1st Semester) 16 hrs**  **MIS 335** Database management  **Major Elective**  **Minor Course**  Element 3A or 3B  Element 4 | **Junior (2nd Semester) 15 hrs**  **MIS 340** Electronic Business Technologies and Tools  **Major Elective**  **Minor Course**  Element 6 Diversity  Elective |
| **Senior (1st Semester) 13 hrs**  **CSC 496** Senior Seminar (1)  **MIS 380** Information Systems Analysis and Design  **Major Elective**  **Minor Course**  Elective | **Senior (2nd Semester) 13 hrs**  **CSC 499** CS Career Preparation (1)  **MIS 410** Project Management and Practice  **Minor Course**  **Minor Course**  Elective |

\*Course must be taken in the semester indicated.

# UNIVERSITY GRADUATION REQUIREMENTS

General Education **36 hrs**

Student Success Seminar (SCO 100) **1 hr**

Total Hours University Graduation Requirements **37 hrs**

## Major Requirements

**Major Core 23 hrs**

CSC 160, MIS 215, MIS 335, 340, 375, 380, 410, CSC 496 (1) and CSC 499(1).

**Major Electives** **9 hrs**

**Business Analytics:** Nine hours from MIS 430, 431, 435, or STA 580 or one course chosen from

NET 343, 354, or 403.

**Business Systems Security:** Nine hours from INF 321, 322, MIS 349 (up to a maximum of three hours),

430, 475, or INF 518 or one course chosen from NET 343, 354, or 403.

## Supporting Course Requirements 16 hrs

ACC 200; ECO 230 (GElement 5B) and 231; INF 104 or TEC 161; MAT 112A and 112B (GElement 2);

MGT 301, STA 270 (4).

ᴳ = Course also satisfies a General Education element. Hours are included within the 36 hr. General Education Requirement above.

**Minor Courses** **18-21 hrs**

**Free Electives 14-17 hrs**

**Total Curriculum Requirements …120 hrs**

The addition of a certificate or minor to this program is highly recommended.

**Business Minor**

Required Courses .......................................................................................................................................... 21 hrs

BUS 101, 206, ACC 200 or BUS 209, and ECO 230 (Element 5B); one course from the following: BUS 204, or 301W; and two courses from the following: BUS 302, 304, or MGT 301 or MKT 301.

**Total Curriculum Requirements ............................................................................................................. 21 hrs**

**Cyber Security and Intelligence**

Required Courses .......................................................................................................................................... 21 hrs

HLS 401, 402, 403, INF 321, 322; and two courses from the following: CSC 332, 520, 542, 548, INF 307, 314, 318.

**Total Curriculum Requirements ............................................................................................................. 21 hrs**

**Informatics**

Required Courses ....................................................................................................................................... 18-19 hrs

INF 104, 314, 123 or 307; one of the following: STA 215 or 270(4); choose two courses from the following: INF 105, 120, 130, 301, 318, 330, 495, CAC 101, 140, 160, 170, 174, 177, 178, 190, HAS 370, STA 340, 580, INF 123 or 307 (if not used above).

**Total Curriculum Requirements .......................................................................................................... 18-19 hrs**

**Computer Electronics Technology**

Required Courses ....................................................................................................................................... 18 hrs

EET 251, 252; choose from one of the following: EET 253, 351 AEM 352, NET 302, 303; choose one of the following: NET 343, 354, 395, 367B (0) exit requirement.

**Total Curriculum Requirements .......................................................................................................... 18 hrs**